#### Management Control Evaluation Checklist Frequency Supportability Modifications in the Developmental Stage

REGULATION NUMBER:	AR 5-12
DATE OF REGULATION:	1 Nov 97

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**Assessable Unit: (Mailing address and phone number)** 

**Function.** The function covered by this checklist is to determine frequency supportability modifications in the developmental stage (Frequency Supportability for Equipment or System Research and Development (R&D)). Information Mission Activities: Radio Frequency Spectrum Management.

**Purpose.** The purpose of this checklist is to assist Program/project/product managers, contracting officers, or commanders at all levels responsible for; coordination and integration of the research and development, test, acquisition, fielding, procurement, leasing, modification, installation, or operation of Army material requiring radio frequency spectrum support under AR 5-12. To plan for development criteria upon which to validate or modify frequency supportability considerations originally identified in previous stages. To insure frequency supportability requirements are included in all documentation used in all testing and developmental documentation. The controls listed provide reasonable assurance that Army resources are adequately safeguarded.

**Instructions.** Answers must be based on the actual testing of key management controls such as document analysis, direct observation, interviewing, sampling, and simulation. Answers that indicate deficiencies must be explained and corrective action must be identified in supporting documentation. This checklist must be used 120 days after publication and every two years thereafter. Certification that this evaluation has been conducted must be accomplished on DA Form 11-2-R (Management Control Evaluation Certification Statement).

**Comments.** Help make this a better tool for evaluating management controls. Submit comments to HQDA ATTN: SAIS-PAS-M (The Army Spectrum Manager) Army, Pentagon, WASH DC 20310.

Evaluation conducted by: (Name, Grade, Title, Office Branch, Telephone Number)	<b>Date of Evaluation</b>
<b>Evaluation Results:</b> (Document the evaluation results on DA Form 11-2-R, in item 7)	

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TAGE 2 OF 3 TAGES	RESPONSE			TESTING APPROACH			
TESTQUESTIONS	Y E S	N O	N / A	Document Analysis	Direct Observation	Sampling	Simulation
(Negative answers indicate a management control weakness.)					on		_
a. Have frequency supportability changes been identified from previously submitted data?							
b. Have aspects of systems or subsystems been identified which require development?							
c. Have proper adjustments been made to overall system configuration based on experimental stage?							
d. Have the following been considered: instrumentation, spurious emissions, electromagnetic coupling, emission spectrum, antennas, receiver, and signal processing requirements and/or limits?							
e. Do EMC specifications comply with prevailing standards and criteria?							
f. Can difference from prevailing standards and criteria for EMC be justified?							
g. Have areas of current design been identified in which system performance is degraded due to EM environment, and will EMI problems be created in other systems?							
h. Based on prior planning experience, has basis for modification of EMC/EMI standards been identified?							
i. Have plans for special tests, measurement techniques, and simulation efforts been defined which will aid in validating design?							

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		RESPONSE			TESTING APPROACH		
TEST QUESTIONS:	Y E S	N O	N / A	Document Analysis	Direct Observation	Sampling	Simulation
(Negative answers indicate a management control weakness.)				=	ion		ň
j. Did Development Phase review of frequency band selection change from previous stage review?							
k. If frequency band selection was changed in Development Stage review, was change technologically justified?							
1. Were specific frequency requirements identified for development systems-integration testing?							